

Sinterflo® MC

Cylindrical Metal Mesh Composite Filter Elements



Multi-layered, diffusion-bonded stainless steel mesh is available in 316/316L and other alloys. This precision mesh, also known as porous plate, is available in a range of pore sizes from 5-100µm.

Sinterflo® MC is particularly suited to demanding applications where high operating temperatures of up to 540°C (1,000°F), increased chemical or high abrasion resistance is essential.

This material is easily custom engineered to meet required specifications of materials, strength, flow requirements, thickness, micron rating and environment.

Primarily made from 316/316L stainless steel, Sinterflo® MC is also available in Inconel®, Hastelloy® and Monel® materials for use in the most aggressive environments

Ordering Information

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Table 1 Media Type	
MC	Sinterflo® MC (mesh composite)

Table 2 End Fitting	
226	226 fitting
222	222 fitting
DOE	Double open ended fitting
NP1	1" NPT
NP5	1.5" NPT
NP2	2" NPT
BS1	1" BSP taper
BS4	1.25" BSP taper
BS5	1.5" BSP taper
BS2	2" BSP taper

Table 3 Cartridge Type	
C	Cylindrical

Note: Other non-standard lengths and end pin options are available on request.

Table 4 Micron Rating

0005	5µm
0010	10µm
0015	15µm
0020	20µm
0040	40µm
0075	75µm
0100	100µm

Note: Other ratings are available on request.

Table 5 Cartridge Length

05	5" (125mm)
10	10" (250mm)
20	20" (498mm)
30	30" (745mm)
40	40" (1012mm)

Table 6 Seal Material

E	EPDM
N	Nitrile
S	Silicone
P	PTFE (DOE only)
V	Viton®
F	FEP encap. Viton® (222/226 only)
T	FEP encap. Silicone (222/226 only)
Y	FEP encap. EPDM (222/226 only)
C	Chemraz
X	No seal supplied

Table 7 Guard/Support Option

N	None
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Table 8 Fin Option

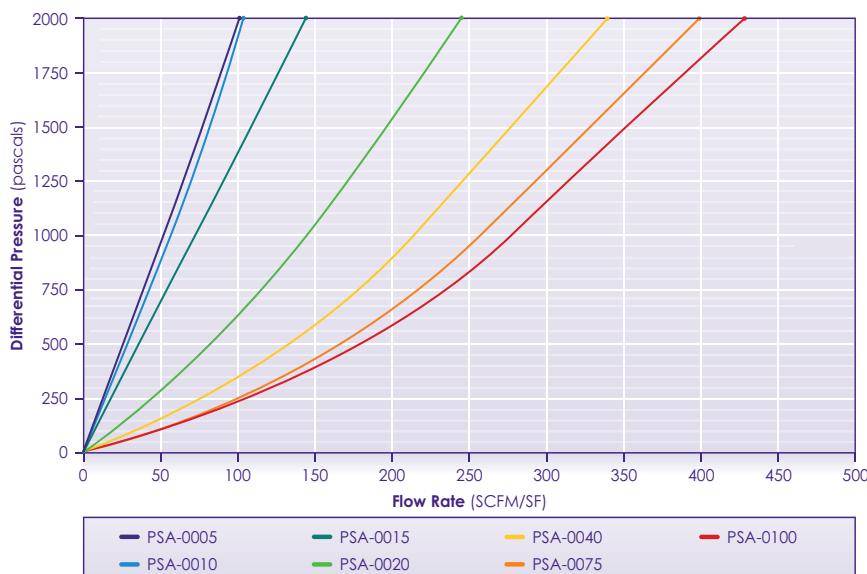
F	Fin (226/222 only)
N	No fin

Specifications

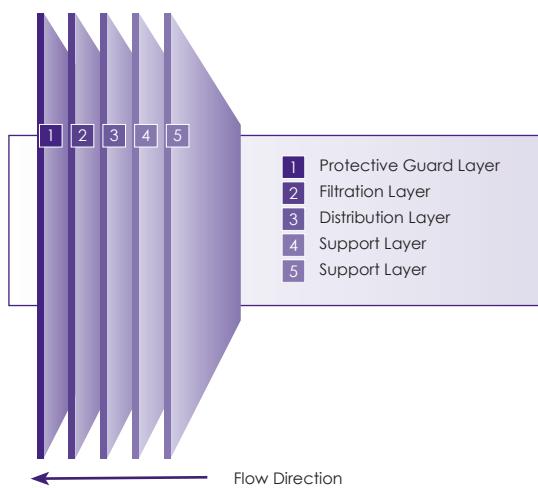
Standard Filter Plate Grades

Grade	Nominal Rating (microns)	Partical Control Mesh (wires per inch)	Nominal Thickness (inch (mm))
PSA-0005	5	325 x 2300	0.066" (1.68mm)
PSA-0010	10	200 x 1400	0.066" (1.68mm)
PSA-0015	15	165 x 1400	0.066" (1.68mm)
PSA-0020	20	165 x 800	0.066" (1.68mm)
PSA-0040	40	325 x 325	0.066" (1.68mm)
PSA-0075	75	250 x 250	0.066" (1.68mm)
PSA-0100	100	150 x 150	0.066" (1.68mm)

Flow Versus Pressure Drop



Sinterflo® MC Filter Configuration



PFG646/Rev4:Oct25